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From: Chris Hill <chris.hill@chk.com>

To: Robert Puls/ADA/USEPA/US@EPA

Delivered Date: 11/15/2011 02:30 PM EDT

Subject: RE: call tomorrow on CHK prospective study (Conference Call (877-935-0245 + 745420))

My email was sent on Sunday. The meeting I was referring to was the meeting we held yesterday.

-----Original Message-----

From: Puls.Robert@epamail.epa.gov [mailto:Puls.Robert@epamail.epa.gov]

Sent: Tuesday, November 15, 2011 1:29 PM

To: Chris Hill

Cc: Miller.Carlyle@epamail.epa.gov; 'Florentino, Gene'; 'Lukert, George'; John

Satterfield; Overbay.Michael@epamail.epa.gov; Ross.Randall@epamail.epa.gov;

Vandegrift.Steve@epamail.epa.gov; Acree.Steven@epamail.epa.gov;

Mravik.Susan@epamail.epa.gov

Subject: RE: call tomorrow on CHK prospective study (Conference Call (877-935-0245 + 745420))

I thought the only topic tomorrow was MIT

I can get our QA folks involved on the call next Mon

Robert W. Puls, Ph.D.

Agency Technical Lead, Hydraulic Fracturing Study

Ground Water and Ecosystems Restoration Division

National Risk Management Research Laboratory, USEPA

P.O. Box 1198 / 919 Kerr Research Dr.

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580-436-8543 (phone)

405-323-8119 (mobile)

From: Chris Hill <chris.hill@chk.com>

To: Robert Puls/ADA/USEPA/US@EPA, "'Florentino, Gene'" <GFlorentino@ene.com>, "'Lukert, George'" <GLukert@ene.com>, Susan Mravik/ADA/USEPA/US@EPA, Michael

Overbay/R6/USEPA/US@EPA, Randall Ross/ADA/USEPA/US@EPA,

Steven Acree/ADA/USEPA/US@EPA, Steve

Vandegrift/ADA/USEPA/US@EPA, Carlyle Miller/ADA/USEPA/US@EPA

Cc: John Satterfield <john.satterfield@chk.com>

Date: 11/13/2011 05:51 PM

Subject: RE: call tomorrow on CHK prospective study (Conference Call (877-935-0245 + 745420))

Bob,

Our resident piezometers expert will not be back in the office until

Thursday. Would you mind waiting to have this particular conversation until then?

In addition, I have been trying to educate myself regarding EPA's Quality Policy/Procedures/Requirements so CHK can better assist in the QAPP development process, however, I would much appreciate if your or your team could provided a short description of this process during the call tomorrow. Do you think this would be possible?

I look forward to our discussion.

Thanks,
Chris

From: Puls.Robert@epamail.epa.gov [mailto:Puls.Robert@epamail.epa.gov]
Sent: Sunday, November 13, 2011 4:48 PM
To: Florentino, Gene; Lukert, George; Mravik.Susan@epamail.epa.gov; Overbay.Michael@epamail.epa.gov; Ross.Randall@epamail.epa.gov; Acree.Steven@epamail.epa.gov; Vandegrift.Steve@epamail.epa.gov; Miller.Carlyle@epamail.epa.gov; Chris Hill
Subject: call tomorrow on CHK prospective study (Conference Call (877-935-0245 + 745420)

for call tomorrow at 1 pm
Susan - can you ck with availablity of Randall and or Steve to be on the call tomorrow

Action Items from last call:

- E & E to continue to inquire about HDD capabilities with drilling companies, and include a HDD well as an optional task in the drilling SOW.
- Mike Overbay to determine the recognition of a HDD as a viable monitoring well by EPA and the state (LA).
- CHK to provide flowback sampling procedures
- CHK to provide well integrity testing procedures
- E & E to outline sampling intervals
- CHK to provide split lab information for the QAPP
- EPA to discuss the possibility of installing 2-inch piezometers with the Geoprobe with their drilling staff. Conference call regarding piezometer installations: Tentatively Nov 9
- Conference call regarding HDD: Nov 14
- Conference call regarding well integrating testing: Nov 16

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